

Title (en)  
OPTICAL WAVEGUIDE, PARTICULARLY OPTICAL FIBER

Publication  
**EP 0177928 B1 19880629 (EN)**

Application  
**EP 85112707 A 19851008**

Priority  
US 65915084 A 19841009

Abstract (en)  
[origin: EP0177928A1] Light (19) propagated by optical waveguide or fiber (10) is reflected by a reflecting plane (17) thereof onto an exit surface (20) of the waveguide to leave it. Reflections of light by the exit surface, the reflecting plane and/or other surface (22) of the waveguide which propagate back therethrough are avoided by selection of the angle (13) between the reflecting plane and the light incident thereon from the waveguide. The waveguide may comprise a core (11) and a cladding (12), particularly in coaxial arrangement, with the reflecting plane at an end thereof. A photodetector (14) may be located to detect light exiting the waveguide with no reflections off the photodetector propagating backwards down the waveguide.

IPC 1-7  
**G02B 6/00**

IPC 8 full level  
**G02B 6/02** (2006.01); **G02B 6/26** (2006.01); **G02B 6/42** (2006.01)

CPC (source: EP)  
**G02B 6/262** (2013.01); **G02B 6/4214** (2013.01)

Citation (examination)  
EP 0088410 A1 19830914 - NEC CORP [JP]

Cited by  
EP0163266A3; DE4136690A1; US5037171A; GB2387448A; GB2387448B; US8078022B2; US7006724B2

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0177928 A1 19860416; EP 0177928 B1 19880629**; DE 3563566 D1 19880804; JP S6168212 U 19860510

DOCDB simple family (application)  
**EP 85112707 A 19851008**; DE 3563566 T 19851008; JP 15524585 U 19851009